



JKW

Docket No.: 1568.1095

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Do-young Seung

Serial No. 10/798,882

Group Art Unit: Unassigned

Confirmation No. 4895

Filed: March 12, 2004

Examiner: Unassigned

For: SEPARATOR FOR FUEL CELL

**LETTER TO THE EXAMINER REQUESTING ENTRY OF CHANGE IN POWER OF  
ATTORNEY AND CORRESPONDENCE ADDRESS**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:


In accordance with the enclosed Power of Attorney, it is respectfully submitted that the attorneys of Stein, McEwen, & Bui, LLP, customer number 49,455, are associated with the instant application and all prior powers of attorney have been revoked.

Please direct all correspondence to the address associated with customer number 49,455, which is presently as follows:

Stein, McEwen, & Bui, LLP  
1400 Eye St., NW  
Suite 300  
Washington, D.C. 20005

Respectfully submitted,

STEIN, MCEWEN & BUI, LLP

By:   
Michael D. Stein  
Registration No. 37,240

1400 Eye St., N.W.  
Suite 300  
Washington, D.C. 20005  
Telephone: (202) 216-9505  
Facsimile: (202) 216-9510

Date: 3/24/05



**POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST  
AND REVOCATION OF PRIOR POWERS**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The undersigned corporation is the assignee of record of the entire right, title, and interest of the patent applications and patents identified listed in the enclosed Attachment A:

**REVOCATION OF PRIOR POWERS OF ATTORNEY**

revokes all powers of attorney previously given, and

**NEW POWER OF ATTORNEY**

appoints the attorneys and/or agents of Stein, McEwen & Bui, LLP under Customer No. 49,455 to prosecute and transact all business in the United States Patent and Trademark Office connected therewith.

**CORRESPONDENCE CHANGE OF ADDRESS**

All correspondence and telephone communications should be directed to the address associated with Customer Number 49,455, which is currently:

STEIN, MCEWEN & BUI, LLP  
1400 EYE ST., N.W.  
SUITE 300  
WASHINGTON, D.C. 20005  
PHONE: (202) 216-9505  
FACSIMILE: (202) 216-9510

STATEMENT AND CERTIFICATION UNDER 37 CFR §3.73(B)

SAMSUNG SDI CO., LTD., a Korean corporation certifies that it is the assignee of the entire right, title and interest in the patent applications and patents identified in the enclosed Attachment A, by way of assignments, and those assignments were recorded in the USPTO with available data identified in the Attachment A and/or are attached hereto as indicated in Attachment A.

The undersigned is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

If there are any fees associated with the filing of this Statement and Certification, please charge and/or credit the same to Deposit Account No. 503333.

SAMSUNG SDI CO., LTD.  
575, Shin-dong, Paldal-gu, Suwon-city  
Kyungki-do  
Republic of Korea.

Dated March 19, 2005

By: 

Name: Byung Su Han  
Title: Senior Manager

ATTACHMENT A  
Assignments to Samsung SDI



Docket #	Filed	Serial #	Reel 1	Attached
1514 . 1020	11/13/2002	10/292,627	013486/0295	
1514 . 1044	8/25/2004	10/924,911		X
1514 . 1045	10/27/2004	10/973,262		X
1567 . 1070	8/4/2004	10/910,350	015664 / 0678	
1567 . 1071	9/3/2004	10/933,384		X
1567 . 1072	9/21/2004	10/944,886		X
1567 . 1073	7/12/2004	10/887,899	015573 / 0970	
1568 . 1077	12/12/2003	10/733,335		X
1568 . 1086	3/3/2004	10/791,269	015577 / 0904	
1568 . 1095	3/12/2004	10/798,882	015591 / 0211	
1568 . 1096	8/11/2004	10/915,569	015677 / 0221	X
1568 . 1097	8/4/2004	10/910,327	015657 / 0824	
1568 . 1098	6/9/2004	10/863,510		X
1568 . 1099	6/28/2004	10/876,843	015523 / 0170	
1568 . 1100	8/5/2004	10/911,661	015664 / 0210	
1568 . 1101	9/9/2004	10/936,668		X
1568 . 1102	8/11/2004	10/915,567	015677 / 0212	
1798 . 1001	10/19/2004	10/967,179		X
1798 . 1002	8/19/2004	10/921,202		X
1798 . 1003	10/18/2004	10/965,734		X

## U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by  
(Insert Name(s) & Address(es) of ASSIGNEE(S))

Samsung SDI Co., Ltd.  
575 Shin-dong, Yeongtong-gu  
Suwon-si, Gyeonggi-do  
Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled  
(Title of Invention)

### Active matrix type organic electroluminescence device

relating to International Patent Application PCT/JP \_\_\_\_\_ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on 27 July 2004;

(Insert date of execution of application, if not concurrent)

(b) filed on \_\_\_\_\_

Serial No. \_\_\_\_\_

Any registered attorney of STAA & HALSEY LLP, 700 Eleventh Street, N.W., Washington, D.C. 20001 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)")

The ASSIGNOR agrees(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

1)

Ul-Ho Lee  
Ul-Ho Lee

27 July 2004

# U.S. ASSIGNMENT

SEE TAB

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

(Insert Name(s) & Address(es) of ASSIGNEE(S))

SAMSUNG SDI CO., LTD.  
575, Shin-dong, Yeongtong-gu  
Suwon-si, Gyeonggi-do  
Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled  
(Title of Invention)

## LITHIUM ION SECONDARY BATTERY

relating to International Patent Application PCT/JP\_\_\_\_\_/\_\_\_\_\_ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on ;

(Insert date of execution of application, if not concurrent)

(b) filed on ,

Serial No. ;

Any registered attorney of STAAS & HALSEY LLP, 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.

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IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

1) <u>Jun ho Kim</u> Jun Ho KIM	<u>August 12, 2004</u>	<u>Hojong Kim</u> HO Jong Kim
2) _____	_____	_____
3) _____	_____	_____
4) _____	_____	_____
5) _____	_____	_____
6) _____	_____	_____
7) _____	_____	_____

# U.S. ASSIGNMENT

BAR 100

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

(Insert Name(s) & Address(es) of ASSIGNEE(S))

SAMSUNG SDI CO., LTD.  
575 Shin-dong, Yeongtong-gu  
Suwon-si, Gyeonggi-do  
Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled  
(Title of Invention)

SECONDARY BATTERY AND METHOD WITH ELECTRODE TAP POSITIONED AT SHORT SIDE PORTION OF  
SECONDARY BATTERY CAN

relating to International Patent Application PCT/JP \_\_\_\_\_ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on :

(Insert date of execution of application, if not concurrent)

(b) filed on :

Serial No. :

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IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).  
(Typed Name & Signature of Inventor(s)) (Date)

(Typed Name & Signature of Witness(es))

1) ✓ <u>Junho Kim</u> Jun Ho KIM	<u>August 12, 2004</u>	<u>Hojong Kim</u> Ho Jong Kim
2) _____	_____	_____
3) _____	_____	_____
4) _____	_____	_____
5) _____	_____	_____
6) _____	_____	_____
7) _____	_____	_____

# U.S. ASSIGNMENT

5010 100

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned Inventor(s) (hereinafter, "ASSIGNOR") by  
(Insert Name(s) & Address(es) of ASSIGNEE(S))

SAMSUNG SDI CO., LTD.  
575, Shin-dong, Youngtong-gu  
Suwon-si, Gyeonggi-do  
Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled  
(Title of Invention)

## SECONDARY BATTERY WITH SAFETY VENTS

relating to International Patent Application PCT/JP / and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on ;

(Insert date of execution of application, if not concurrent)

(b) filed on ,

Serial No. ;

Any registered attorney of STAAS & HALSEY LLP, 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) is hereby authorized to insert in (b) the specified date, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

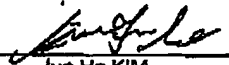

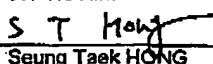
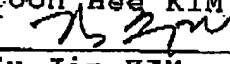
The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/herr/their signature(s).

(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

1)  Jun Ho KIM	2004.10.13.	 Yoon Hee KIM
2)  Seung Taek HONG	2004.10.13	 Su Jin KIM
3) S T		
4)		
5)		
6)		
7)		



## U.S. ASSIGNMENT

Pub 1140

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by  
(Insert Name(s) & Address(es) of ASSIGNEE(S))

Samsung SDI Co., Ltd.  
575 Shin-dong, Yeongtong-gu  
Suwon-si, Gyeonggi-do  
Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest in the invention entitled  
(Title of Invention)

### POUCH TYPE SECONDARY BATTERY

relating to International Patent Application PCT/JP / and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was

(a) executed on 31 August 2004 (Insert date of execution of application, if not concurrent)

(b) filed on \_\_\_\_\_

Serial No. / \_\_\_\_\_

Any registered attorney of STAAS & HALSEY LLP, 700 Eleventh Street,  
N.W. Washington, D.C. 20001 (202/434-1500) is hereby authorized to  
insert in (b) the specified data when known

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)")

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IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s)  
(Typed Name & Signature of Inventor(s)) (Date) (Typed Name & Signature of Witness(es))

1) <u>I W Hwang</u>	<u>31 August 2004</u>	_____
<u>In-Won Hwang</u>		
2) <u>LEE H B</u>	<u>31 August 2004</u>	_____
<u>Hyung-Bok Lee</u>		
3) <u>[Signature]</u>	<u>31 August 2004</u>	_____
<u>Joong-Hun Kim</u>		
4) <u>Choi J H</u>	<u>31 August 2004</u>	_____
<u>Jac-Hoon Choi</u>		

# U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

(Insert Name(s) & Address(es) of ASSIGNEE(S))

**SAMSUNG SDI CO., LTD.**  
575, Shin-dong, Youngtong-gu  
Suwon-si, Gyeonggi-do  
Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

## POUCHED LITHIUM SECONDARY BATTERY

relating to International Patent Application PCT/JP\_\_\_\_/\_\_\_\_ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on : 1 September 2004

(Insert date of execution of application, if not concurrent)

(b) filed on June 9, 2004,

Serial No. 10/863,610;

Any registered attorney of STAAS & HALSEY LLP, 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1600) is hereby authorized to insert in (b) the specified date, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

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IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

1) YOU-MEE KIM  
You-Mee KIM

1 September 2004

2)

3)

4)

5)

6)

7)

# U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

(Insert Name(s) & Address(es) of ASSIGNEE(S))

SAMSUNG SDI CO., LTD.  
575, Shin-dong, YoungLung-gu  
Suwon-city, Kyungki-do  
Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest in the invention entitled  
(Title of Invention)

## POUCH-TYPE LITHIUM SECONDARY BATTERY

relating to International Patent Application PCT/JP / and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on ;

(Insert date of execution of application, if not concurrent)

(b) filed on ;

Serial No. New;

Any registered attorney of STAA & HALSEY LLP, 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) is hereby authorized to insert in (b) the specified date, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

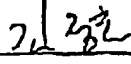
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IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

1) Jeong-Hun Kim		1 Dec. 2003	
2)			
3)			
4)			
5)			
6)			
7)			

## U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by  
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SAMSUNG SDI CO., LTD.  
575 Shin-dong, Yeongtong-gu  
Suwon-si, Gyeonggi-do  
Republic of Korea

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(Title of Invention)

### ELECTROLYTE FOR LITHIUM BATTERY AND LITHIUM BATTERY COMPRISING SAME

relating to International Patent Application PCT/\_\_\_\_/\_\_\_\_ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on Sep. 20, 2004; (Insert date of execution of application, if not concurrent)

(b) filed on \_\_\_\_\_

Serial No. \_\_\_\_/\_\_\_\_;

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(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

1) <u>Hyun-Jeong LIM</u>	<u>Sep. 20, 2004</u>	<u>Yun-Ha Park</u>
<u>Eui-Hwan SONG</u>	<u>Sep. 20, 2004</u>	<u>Mi-Hyun Jeon</u>
3) _____	_____	_____
4) _____	_____	_____
5) _____	_____	_____

# U.S. ASSIGNMENT

S&H 7403

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by  
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## RECHARGEABLE LITHIUM BATTERY

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(b) filed on \_\_\_\_\_

Serial No. \_\_\_\_/\_\_\_\_;

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The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

1) <u>Hwang Duck Chul</u> Duck-Chul HWANG	<u>August 20, 2004</u>	<u>Park Yun-Ha</u> Yun-Ha Park
2) <u>Seung-Sik Hwang</u> Seung-Sik HWANG	<u>August 20, 2004</u>	<u>Park Yun-Ha</u> Yun-Ha Park
3) <u>Sang-Mock Lee</u> Sang-Mock LEE	<u>August 20, 2004</u>	<u>Park Yun-Ha</u> Yun-Ha Park
4) <u>Chung-Kun CHO</u> Chung-Kun CHO	<u>August 20, 2004</u>	<u>Park Yun-Ha</u> Yun-Ha Park
5) <u>Yun-Suk CHOI</u> Yun-Suk CHOI	<u>August 20, 2004</u>	<u>Park Yun-Ha</u> Yun-Ha Park

# U.S. ASSIGNMENT

S&H 100

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

(Insert Name(s) & Address(es) of ASSIGNEE(S))

SAMSUNG SDI CO., LTD.  
575, Shin-Dong, Yeongtong-gu,  
Suwon-si, Gyeonggi-do  
Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled  
(Title of Invention)

## DRIVING METHOD OF FS-LCD

relating to International Patent Application PCT/JP\_\_\_\_/\_\_\_\_ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on ;

(Insert date of execution of application, if not concurrent)

(b) filed on

Serial No.

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(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

1)	<u>T. S. Kim</u>	<u>October 18, 2004</u>	
	Tae-Soo KIM		
2)	_____	_____	_____
3)	_____	_____	_____
4)	_____	_____	_____
5)	_____	_____	_____
6)	_____	_____	_____
7)	_____	_____	_____

# U.S. ASSIGNMENT

S&H 1/00

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(Title of Invention)

## DUAL-TYPE FLAT PANEL DISPLAY DEVICE

relating to International Patent Application PCT/JP \_\_\_\_ / \_\_\_\_ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on ;

(Insert date of execution of application, if not concurrent)

(b) filed on ,

Serial No. ;

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(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

- 1) Dong Jin Park August 11, 2004  
Dong-Jin PARK
- 2) Tae-Hyeog Jung August 11, 2004  
Tae-Hyeog JUNG
- 3) Hae Jin Hoo August 11, 2004  
Hae-Jin HEO
- 4) Byung-Seon AN August 11, 2004  
Byung-Seon AN
- 5) \_\_\_\_\_
- 6) \_\_\_\_\_
- 7) \_\_\_\_\_